

LIPSNER SMITH

COMPANY

CF3000-MK VI

Micro-Perfect™ ultrasonic film cleaning machine with multi-solvent capability and built-in recycling system.



Designed for
your film cleaning needs
into the 21st Century

VCS - Virtually Closed System

Some solvents traditionally used for film cleaning are now regulated. Lipsner-Smith has taken this into account with the **new CF-3000-MK VI**, which can use cleaning agents that will satisfy your film cleaning needs into the 21st Century.

Although all liquid film cleaning systems require venting, the difference between the VCS system and "open" systems is that virtually no solvent vapor can escape from the CF 3000-MK VI.

Because solvent is recycled, the CF 3000-MK VI unit uses a fraction of that needed for older conventional systems, while delivering Lipsner-Smith's trusted Micro-Perfect™ film cleaning results.

Lipsner-Smith machines have always been respected for film cleaning capability. Now here is a Lipsner-Smith system that does an equally fine job of cleaning the solvent so that it may be re-used indefinitely.

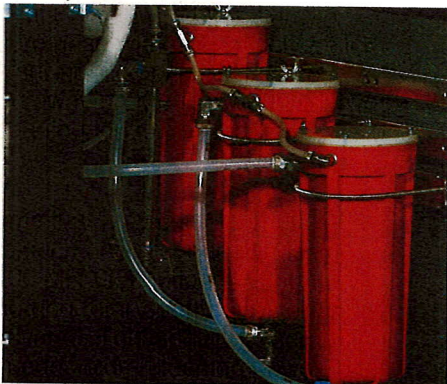
The Solvent Saving Principle

The CF 3000-MK VI performs solvent-reclaiming functions as it cleans the film. It requires no additional floor space and can be operated by the same person assigned to film cleaning.

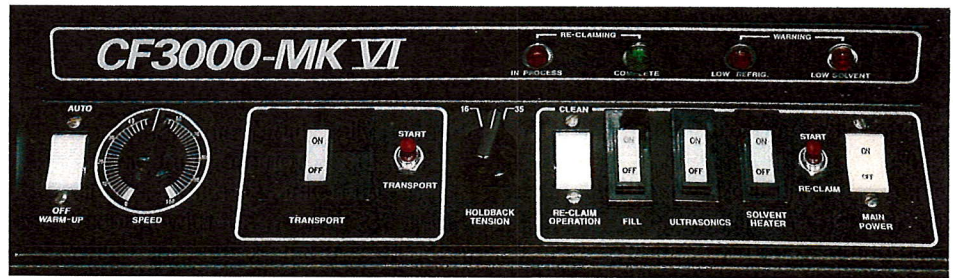
Refrigeration-Purification

Instead of "cooking" the captured solvent as in older conventional carbon adsorption recovery systems, CF 3000-MK VI simply condenses vapors by means of refrigeration coils and moves the reclaimed solvent through a three stage purification cycle.

The first stage is water separation. Next, the solvent passes through a special desiccant — the second and third stage. Here, any last trace of water is captured.



Purification system includes a water separator and desiccant filters.



Simplified control panel features switches that are also circuit breakers. . . . A single switch converts the system from cleaning cycle to reclamation cycle.

Because this is a virtually closed system, even the air used to dry the film is captured and re-used.

Distillation

When solvent becomes contaminated, distillation and purification can be done overnight or during non-operating hours. The contaminated solvent is heated, and the consequent vapors are condensed on the refrigeration coils. They then pass through the three stage purification cycle.

Save the Solvent Not the Dirt

In the CF 3000-MK VI system, you keep the decontaminated solvent. All you dispose of is the dirt and contaminants removed by the reclamation system built into this machine.

Very Cost Efficient System

You might also say that VCS stands for Very Cost Efficient System because it can pay for itself in what it saves in solvent expense — measured in thousands of dollars.

Solvent savings are documented by laboratory tests. The potential dollar amounts of your savings will increase as solvents become more costly.

Ultrasonic Cleaning, Filtered Rinsing

In ultrasonic cleaning, powerful shock waves created by cavitation separate impurities from film in the cleaning tank. This is followed by a high-pressure rinse with filtered solvent to make sure no loose particles are carried away on the film when it leaves the cleaning tank.

Buffing

For films that may contain impacted debris such as splicer shavings, the CF3000-MK VI's optionally engaged submerged rotary buffing system may be activated. This additional scrubbing action adds extra cleaning power to insure complete removal of stubborn dirt without harming the film in any way.

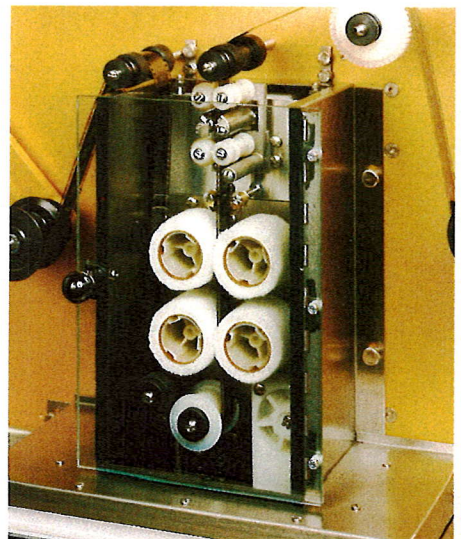
Non-Evaporative Drying

The CF-3000-MK VI does not allow solvent to evaporate on the film, preventing any redepositing of dirt. The clean film is dried by high pressure dry jets. Not only do the dry jets remove solvent and virtually all residue, they are part of the "VCS" solvent recovery system.

Within this fully contained system, it takes only a very small volume of high pressure air to strip liquid from the film and dry it. Air, like the liquid in this system, is both heated and filtered.

This new solvent stripping design has increased operation speeds to 200 feet-per-minute (dependent upon the cleaning agent being used). This is twice the speed of older CF-2 and CF-200 units.

Solvent vapors produced within the system are captured by the cooling coils just above the jets. The CF3000-MK VI also provides enhanced solvent recovery. This means additional savings in solvent costs, which can reduce payback time.



CF3000-MK VI shown with the film elevator up in the loading position. The submerged rotary buffer system provides extra scrubbing action to assure complete removal of stubborn dirt.

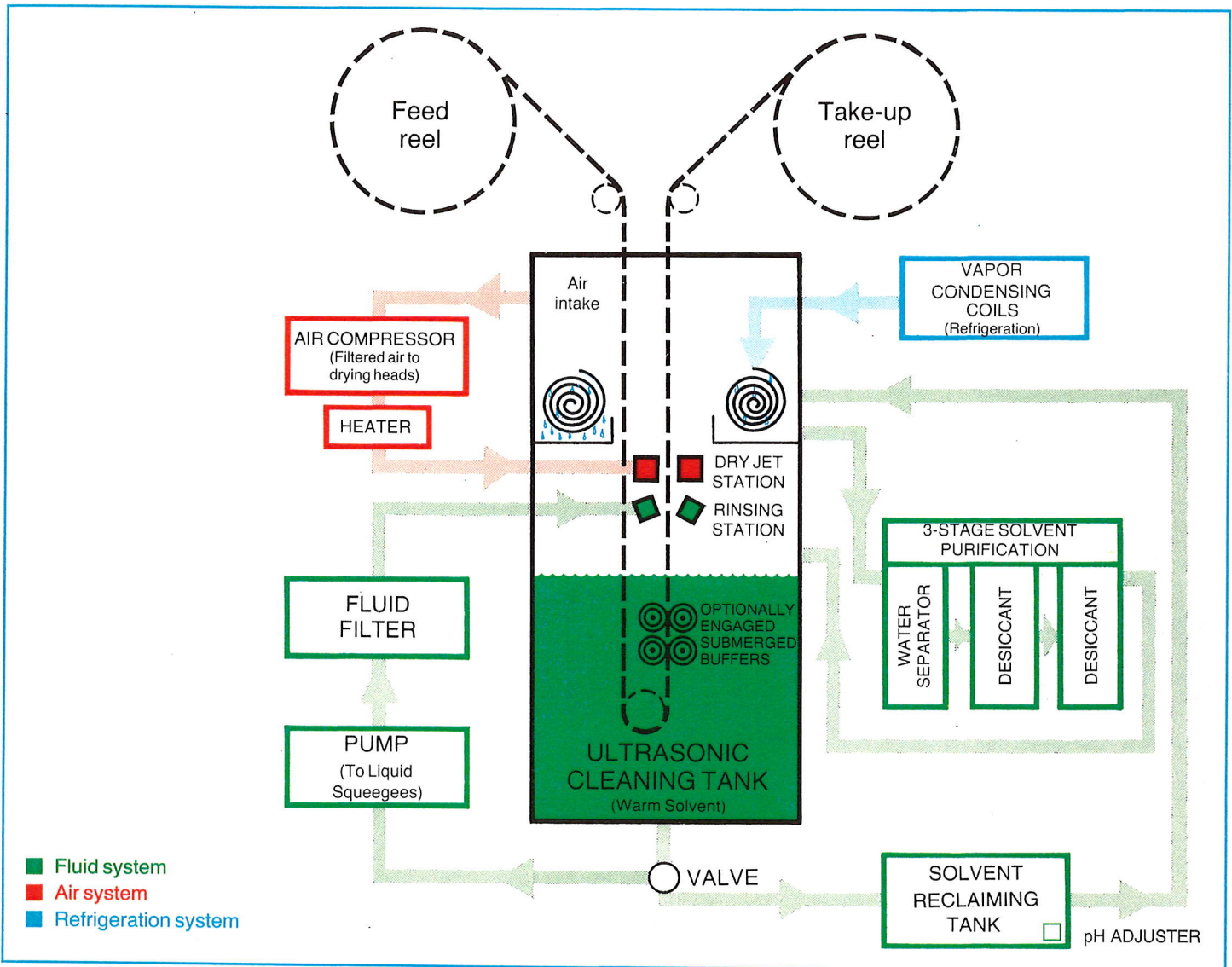
What Micro-Perfect Film Cleaning Means to You

The trademarked term, Micro-Perfect, derives from tests of cleaned film made under a powerful microscope. Performance testing of the CF 3000-MK VI System has shown that it will thoroughly remove all dirt down to micron size.

Lipsner-Smith cleaning is the safest, gentlest method known. Films last longer as a result.

Surgically clean negatives are a must for making quality prints and film to tape transfers.

CF3000-MK VI Schematic



This simplified diagram shows the location and sequence of all principle components of the CF 3000-MK VI system.

THE LIPSNER-SMITH CF3000-MK VI SAVES EXPENSIVE SOLVENT 3 WAYS . . .

1. Solvent loss by evaporation is minimized because all components operate within a virtually closed environment. Venting requirements are minimal.
2. A refrigeration system condenses solvent vapors. Recovered solvent is purified and returned to the system (not into the environment).
3. Solvent loss due to contamination is reduced because the dirty solvent is distilled, purified and readied for re-use.

*IF YOU NEED THIS ADVANCED TYPE OF SYSTEM, YOU ARE ALREADY PAYING FOR IT!
SOLVENT RECYCLING WILL VERY LIKELY SAVE YOU MORE THAN THE NEW CF 3000-MK VI WILL COST YOU!*

CF3000-MK VI

Specifications:

CLEANING—ultrasonic cavitation followed by filtered solvent rinse and high pressure, non-evaporative drying.

BUFFING—optionally engaged submerged rotary buffing system provides extra scrubbing action.

CLEANING AGENTS—contact Lipsner-Smith Company

FILM CAPACITY—4000 feet (1219 meters), 16 and 35mm.

FILM SPEED—Adjustable 50-200 feet per minute (15-60 meters).

CLEANING TANK CAPACITY—3½ gallons (13½ liters).

DISTILLING TANK CAPACITY—4½ gallons (17 liters).

DISTILLATION TIME—Approximately 4 hours (Dependent on solvent).

POWER—208-240V, 60Hz. (Export Version 50Hz.), Single Phase, 19 Amps.

COLOR—Beige and black. Anodized trim.

WEIGHT—950 pounds (428 kilograms).

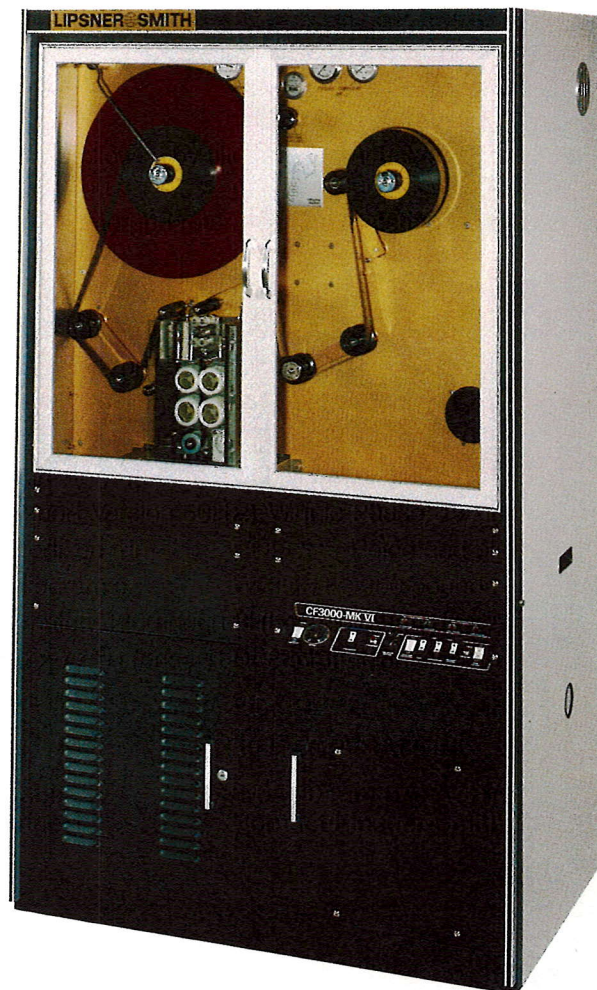
SHIPPING WEIGHT—Approximately 1200 pounds (540 kilograms).

DIMENSIONS—44" W x 33" D x 77" H (base 112 x 84cm, height 196cm).

Options:

50 Hz OPERATION

8-65-70 mm CAPACITY available.
Contact Lipsner-Smith for prices.



FUTURE PROTECTION

The future will bring higher costs for solvents, handling and disposal. In addition, there may be new legislation concerning the release of certain vapors into the atmosphere. You can prepare yourself for tomorrow's restrictions... by installing a Lipsner-Smith CF 3000-MK VI today. Recycling solvent through both condensation and distillation saves money and makes environmental sense. The benefits you can reap now will continue to multiply for years into the future.

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